- **Port size: M5, R1/8 ... R1, G1/8 ... G1**
- **Reduce the noise levels of pneumatic equipment**
- **Compact and efficient**
- **Screw directly into the exhaust port**
- **Prevent the ingress of dirt**

Technical features

Medium:
Compressed air, filtered, lubricated or non lubricated, vacuum, Inert gases
Operation:
Exhaust silencer or inlet filter

Operating pressure:
10 bar (145 psi) maximum
Port size:
5, 1/8", 1/4", 3/8", 1/2", 3/4", 1"
Mounting:
Directly in exhaust or vent port

Ambient/Media temperature:
-20 ... +80°C (-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Element: sintered bronze
Body: brass

Technical data, standard models

Symbol	Port size	Flow factor C *1)	Cv	Kv *2)	Continuous sound pressure level *3) 0,7 bar	6 bar	Weight (kg)	Model with ISO G, parallel	Model with ISO R, taper
	M5	0,82	0,2	0,17	60	76	0,004	T40M0500	–
	1/8"	4,00	1	0,85	64	81	0,01	T40C1800	T40B1800
	1/4"	7,30	1,8	1,55	66	81	0,02	T40C2800	T40B2800
	3/8"	15,0	3,7	3,20	68	84	0,045	T40C3800	T40B3800
	1/2"	27,6	6,8	5,87	75	89	0,07	T40C4800	T40B4800
	3/4"	55,4	13,6	11,8	85	95	0,13	T40C6800	T40B6800
	1"	66,7	16,4	14,2	85	97	0,2	T40C8800	T40B8800

*1) Measured in dm^3/ (s.bar)
*2) Measured in m^3/h
*3) Measured in dBA/1 meter from unit

Option selector

T40★★★00

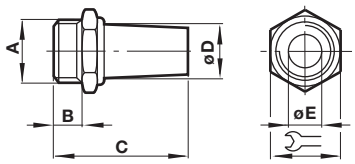
Thread form	Substitute
Metric, M5 only	**M**
ISO R, taper	**B**
ISO G, parallel	**C**

Port size	Substitute
M5	**05**
1/8"	**18**
1/4"	**28**
3/8"	**38**
1/2"	**48**
3/4"	**68**
1	**88**

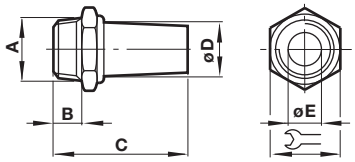
Dimensions

Dimensions in mm
Projection/First angle

A	B	C	Ø D	Ø E	⌓	Model
M5	5	20	5	2,5	7	T40M0500
G1/8B	6	24	9,5	6	13	T40C1800
G1/4B	8	33	12	8,5	17	T40C2800
G3/8B	10	44	17	12	22	T40C3800
G1/2B	12	56	20	14,5	27	T40C4800
G3/4B	14	80	26	19	32	T40C6800
G1B	16	82	31	25	41	T40C8800



A	B	C	Ø D	Ø E	⌓	Model
R1/8	9,5	27,5	9,5	6	13	T40B1800
R1/4	11	36	12	8,5	17	T40B2800
R3/8	12,5	46,5	17	12	22	T40B3800
R1/2	16	60	20	14,5	27	T40B4800
R3/4	19	85	26	19	32	T40B6800
R1	22,5	88,5	31	25	41	T40B8800



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- **Port size: M5, G1/8B ... G1B**
- **Reduce the noise levels of pneumatic equipment**
- **Compact, efficient and lightweight**
- **Screw directly into the exhaust port**
- **Prevent the ingress of dirt**

Technical features

Medium:
Compressed air, filtered 50 µm, lubricated and non lubricated/vacuum, inert gases
Operation:
Exhaust silencer/vacuum filter

Operating pressure:
-1 ... 10 bar (-14 ... 145 psi) maximum
(vacuum service)
Port sizes:
M5, G 1/8 ... G1
1/8 NPT ... 1 NPT

Mounting:
Directly in exhaust port
Ambient/Media temperature:
-20 ... +80°C (-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: UHMW PE porous plastic
Connector base: PE (black)

Technical data, standard models

Symbol	Port size	Mean flow factor C *1	Cv	Kv *2	Sound pressure level *3)	Model
	M5	1,27	0,31	0,27	83	M/S0
	G1/8B	4,1	1	0,87	84	M/S1
	G1/4B	7,5	1,84	1,6	84	M/S2
	G3/8B	16,2	4	3,45	81	M/S3
	G1/2B	21,8	5,3	4,64	82	M/S4
	G3/4B	32,8	8	7	98	M/S6
	G1B	49,8	12,2	10,6	94	M/S8

*1) Measured in dm^3/ (s.bar)
*2) Measured in m^3/h
*3) Measured in dBA/6bar/1 meter from unit

Option selector

★/S★

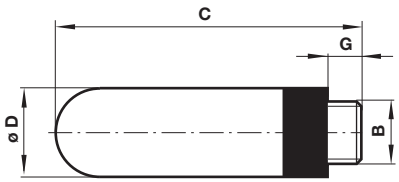
Thread form	Substitute
ISO G, parallel	**M**
NPT	**C**

Port size	Substitute
M5	**0**
1/8"	**1**
1/4"	**2**
3/8"	**3**
1/2"	**4**
3/4"	**6**
1"	**8**

Dimensions

Dimensions in mm
Projection/First angle

B	C	Ø D	G	Weight (g)	Model
M5	23	6,5	4	0,4	M/S0
G1/8B	34	12,5	6,5	1,65	M/S1
G1/4B	42,5	15,5	8	3,5	M/S2
G3/8B	67,5	18,5	11	6,0	M/S3
G1/2B	77,5	23,3	11	10,5	M/S4
G3/4B	131,5	38,5	15	34	M/S6
G1B	161	49	20	54	M/S8



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- **Port size: M5, G1/8 ... G1/2**
- **Compact design**
- **Captive regulating needle will not blow out when unscrewed**

Technical features

Medium:
Compressed air, filtered, lubricated and non-lubricated, inert gases
Operation:
Exhaust flow regulator/silencer

Operating pressure:
1 ... 10 bar (14 ... 145 psi)
Port size:
M5, G1/8, G1/4, G3/8, G1/2
Mounting:
Directly in the exhaust port 'Allen' key adjustment for flow regulation

Ambient/Media temperature:
-20 ... +80°C max.(-4 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)

Materials:
Body and washer: PA
Silencer: Porous PUR
Adjusting screw: high tensile zinc plated steel
M5:
Body: PA
Adjusting screw: high tensile zinc plated steel

Technical data, standard models

Symbol	Port size	Flow factor C *1)	Cv	Kv *2)	Weight (kg)	Model
	M5	0,3	0,07	0,054	0,001	T20M0500
	G1/8A	1,6	0,4	0,34	0,003	T20C1800
	G1/4A	3,2	0,8	0,68	0,007	T20C2800
	G3/8A	6,9	1,7	1,47	0,020	T20C3800
	G1/2A	10	2,4	2,13	0,040	T20C4800

*1) Measured in $dm^3/(s.bar)$
*2) Measured in m^3/h

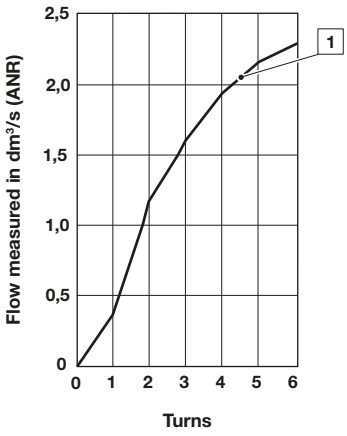
Options selector

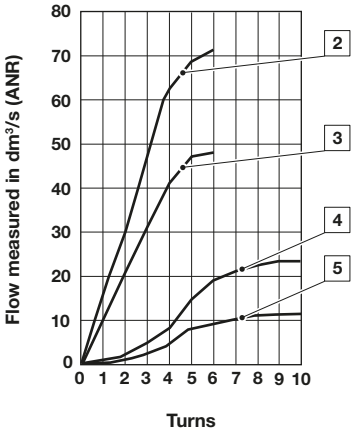
T20★★★00

Thread	Substitute
Metric, M5 only	**M**
ISO G	**C**

Port size	Substitute
M5	**05**
1/8"	**18**
1/4"	**28**
3/8"	**38**
1/2"	**48**

Performance characteristics for T20 Series (at 6 bar inlet pressure)

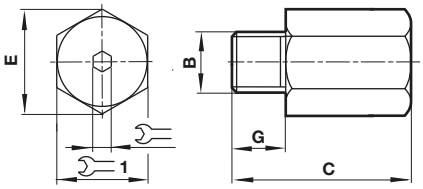




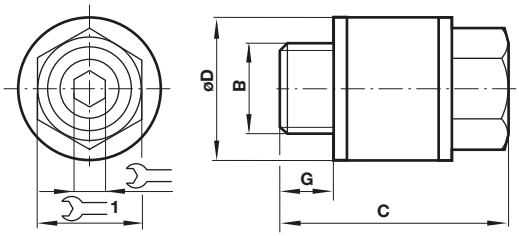
1 Port size M5
2 Port size 1/2”
3 Port size 3/8”
4 Port size 1/4”
5 Port size 1/8”

Dimensions

Dimensions in mm
Projection/First angle



B	G	C	E		1	Model
M5	5	16	9,5	1,5	8	T20M0500



B	C	ØD	G		1	Model
G1/8A	20,5	15	6	2,5	13	T20C1800
G1/4A	29	18	7	4	15	T20C2800
G3/8A	38	24	8	6	20	T20C3800
G1/2A	50	30	10	8	25	T20C4800

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IMI Precision Engineering, Norgren Ltd.

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- **Port size: R1/8 ... R2, Rc1/8 ... Rc1, Rp11/4 ... Rp2**
- **Reduce the noise levels of pneumatic equipment**
- **High flow capacity with low back pressure**
- **Brass mesh screen and aluminium construction**
- **Provide improved flow, longer life and cleanable element**

Technical features

Medium:
Compressed air, filtered, lubricated and non-lubricated, inert gases
Operation:
Heavy duty silencer
Operating pressure:
20 bar (290 psi) maximum

Port size:
1/8", 1/4", 3/8", 1/2", 3/4", 1, 1 1/4", 1 1/2"
Mounting:
Directly in exhaust port

Ambient/Media temperature:
-40 ... +80°C (-40 ... +176°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Body: aluminium and shell,
Filter element: brass mesh

Technical data

Male thread, standard models

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	R1/8	2	8,2	1,75	0,03	MB001B
	R1/4	2,2	9	1,92	0,03	MB002B
	R3/8	2,94	12	2,56	0,03	MBP03B
	R3/8	4,78	19,5	4,16	0,10	MB003B
	R1/2	5,49	22,4	4,78	0,09	MB004B
	R3/4	5,49	22,4	4,78	0,09	MBP06B
	R3/4	12,5	51	10,78	0,45	MB006B
	R1	15,68	64	13,65	0,40	MB008B
	R1 1/4	16,67	68	14,5	0,40	MBP10B

*1) Measured in $dm^3/(s.bar)$
*2) Measured in m^3/h

Female thread, standard models

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model ISO Rc
	Rc1/8	2	8,2	1,75	0,03	MA001B
	Rc1/4	2,57	10,5	1,29	0,03	MA002B
	Rc3/8	5,83	23,8	5,07	0,10	MA003B
	Rc1/2	5,71	23,3	4,97	0,09	MA004B
	Rc3/4	16,18	66	14,07	0,45	MA006B
	Rc1	16,67	68	14,5	0,40	MA008B

Symbol	Port size	Flow factor Cv	C *1)	Kv *2)	Weight (kg)	Model
	Rp1 1/4	26,7	110	23,45	0,62	MA010C
	Rp1 1/2	40,93	167	35,6	0,60	MA012C
	Rp2	53,9	220	46,9	0,76	MA016C

Option selector

Male thread

MB★★★★

Port size	Substitute
1/8"	001
1/4"	002
3/8"	P03*
3/8"	003
1/2"	004
3/4"	P06*
3/4"	006
1"	008
1 1/4"	P10*
Thread form	**Substitute**
PTF (SAE short, ANSI B1.2.0.3)	A
ISO R, taper	B

* Compact size

Female thread

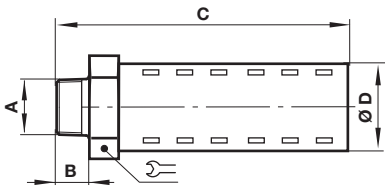
MA★★★★

Port size	Substitute
1/8"	001
1/4"	002
3/8"	003
1/2"	004
3/4"	006
1"	008
1 1/4 "	010
1 1/2"	012
Thread form	**Substitute**
PTF (SAE short, ANSI B1.2.0.3)	A
ISO Rc, taper	B
ISO Rp, parallel	C

Dimensions

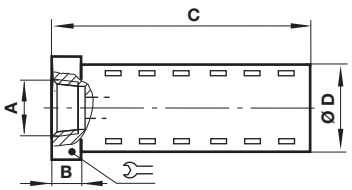
Dimensions in mm
Projection/First angle

Male thread



A	B	C	D	⌯	Model
R1/8	9	51	21	21	MB001
R1/4	13	55	21	21	MB002
R3/8	13	55	21	21	MBP03
R3/8	13	88	32	32	MB003
R1/2	17	92	32	32	MB004
R3/4	17	92	32	32	MBP06
R3/4	20	134	51	51	MB006
R1	23	138	51	51	MB008
R1 1/4	26	140	51	51	MBP10

Female thread



A	B	C	Ø D	⌯	Model
Rc1/8	6	42	21	21	MA001
Rc1/4	9	45	21	21	MA002
Rc3/8	9	78	32	32	MA003
Rc1/2	12	83	32	32	MA004
Rc3/4	12	118	51	51	MA006
Rc1	15	118	51	51	MA008
Rp1 1/4	15	144	64	64	MA010
Rp1 1/2	15	144	64	64	MA012
Rp2	16	168	76	76	MA016

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